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**ABSTRACT OF THE DISCLOSURE**

In a method and apparatus for connecting fiber optic lines and a fiber optic receiver and a fiber optic transmitter in an information transmission system carrying information signals propagated from a transmitter to a receiver in one direction and an external synchronizing signal from the receiver to the transmitter in the opposite direction, a fiber optic receiver includes a circuit for receiving an optical information signal from the transmitter and converting that signal into an electrical signal which is processed into an information signal outputted to the transmission line via a common connector. A pulse signal transmitted to the fiber optic receiver is retrieved and separated from the information signal. The pulse signal is an external synchronizing signal having a voltage level higher than the maximum level or lower than the minimum voltage level of the video signal. The pulse signal is injected into the information transmission line or the fiber optic line. Another circuit processes the separated pulse signal and converts it into an optical signal emitted through one or more fiber optic lines or cables towards the transmitter. The fiber optic transmitter includes a circuit which receives an information signal from the transmitter. This signal is converted into an optical signal emitted through the fiber optic cables to the receiver.